

ABSTRACT OF THE DISCLOSURE

[0035] A sealing system to be inserted into the seal cavity of a rotary mechanical device to provide a seal and a bearing surface to eliminate whip in a rotating shaft. The sealing system includes a split bushing element to allow easy installation over the shaft. The bushing is substantially cylindrical with an inner bore closely approximating the outer diameter of the shaft and includes a groove at the motor end on the outer surface and a corresponding groove on the inner surface to provide a lantern ring. Seal water openings are provided between the outer groove and inner groove of the bushing. Generally, two or three packing rings are added on the motor side to complete the shaft sealing system for installation in the seal cavity.

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